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CLAIMS:

What is claimed is:

- 1 1. A method in a data processing system for making an
2 information request, comprising:
3 sending a first request for information and a
4 credential to a server to establish a session;
5 receiving a session identification and the information
6 from the server; and
7 sending a second request for information and the
8 credential and the session identification to the server.
- 1 2. The method of claim 1, wherein the credential is a user
2 name and password, a security token, or a certificate.
- 1 3 .The method of claim 1, wherein the session
2 identification is in a session identification data
3 structure.
- 1 4. The method of claim 3, wherein the session
2 identification data structure is a session identification
3 cookie
- 1 5. The method of claim 4, further comprising storing the
2 session identification cookie.

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1 6. The method of claim 3, wherein the session
2 identification data structure is in a rewritten uniform
3 resource locator.

1 7. The method of claim 1, wherein the request is a
2 hypertext transport protocol request.

1 8. The method of claim 7, wherein the hypertext transport
2 protocol request is a uniform resource locator.

1 9. A method in a data processing system for managing an
2 information request, comprising:
3 establishing a session;
4 generating a session identification in response to the
5 session being established;
6 sending the session identification to the client;
7 receiving a request for information and a credential
and the session identification from a client;
9 determining whether the session identification is
10 valid;
11 determining whether the credential is valid;
12 sending the information to the client in response to
13 the session identification and the credential being valid.

1 10. The method of claim 9, wherein the credential is a
2 user name and password, a security token, or a certificate.

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1 11. The method of claim 9, further comprising:
2 associating a user account with the session
3 identification in response to the credential being valid.

1 12. The method of claim 9, wherein the step of generating
2 a session identification comprises generating a random
3 number.

1 13. The method of claim 9, wherein the step of generating
2 a session identification comprises generating a session
3 identification data structure.

1 14. The method of claim 13, wherein the session
2 identification data structure is a session identification
3 cookie.

1 15. The method of claim 13, wherein the session
2 identification data structure is in a rewritten uniform
3 resource locator.

1 16. The method of claim 9, wherein the request is a
2 hypertext transport protocol request.

1 17. The method of claim 16, wherein the hypertext
2 transport protocol request is a uniform resource locator.

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1 18. A method in a data processing system for making an
2 information request, comprising:
3 sending a request for information and a session
4 identification and a credential to a server; and
5 receiving the information from the server.

1 19. The method of claim 18, wherein credential is a user
2 name and password, a security token, or a certificate.

1 20. The method of claim 18, wherein the request is a
2 hypertext transport protocol request.

1 21. The method of claim 20, wherein the hypertext
2 transport protocol request is a uniform resource locator.

1 22. A method in a data processing system for managing an
2 information request, comprising:
3 receiving a request for information and a session
4 identification and a first credential from a client;
5 determining whether the session identification is
6 valid;
7 retrieving a session data structure including a second
8 credential in response to the session identification being
9 valid;

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10 determining whether the first credential and the
11 second credential match; and
12 fulfilling the request for information in response to
13 the first credential and the second credential matching.

1 23. The method of claim 22, wherein the first credential
2 is a user name and password, a security token, or a
3 certificate.

1 24. The method of claim 22, wherein the step of generating
2 a session identification comprises generating a random
3 number.

1 25. The method of claim 22, wherein the step of generating
2 a session identification comprises generating a session
3 identification data structure.

1 26. The method of claim 25, wherein the session
2 identification data structure is a session identification
3 cookie.

1 27. The method of claim 25, wherein the session
2 identification data structure is in a rewritten uniform
3 resource locator.

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1 28. The method of claim 22, wherein the request is a
2 hypertext transport protocol request.

1 29. The method of claim 28, wherein the hypertext
2 transport protocol request is a uniform resource locator.

1 30. An apparatus for making an information request,
2 comprising:

3 first sending means for sending a first request for
4 information and a credential to a server to establish a
5 session;

6 receipt means for receiving a session identification
7 and the information from the server; and

8 second sending means for sending a second request for
9 information and the credential and the session
10 identification to the server.

1 31. The apparatus of claim 30, wherein the credential is a
2 user name and password, a security token, or a certificate.

1 32. The apparatus of claim 30, wherein the session
2 identification is in a session identification data
3 structure.

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1 33. The apparatus of claim 32, wherein the session
2 identification data structure is a session identification
3 cookie.

1 34. The apparatus of claim 33, further comprising storage
2 means for storing the session identification cookie.

1 35. The apparatus of claim 32, wherein the session
2 identification data structure is a rewritten uniform
3 resource locator.

1 36. The apparatus of claim 30, wherein the request is a
2 hypertext transport protocol request.

1 37. The apparatus of claim 36, wherein the hypertext
2 transport protocol request is a uniform resource locator.

1 38. An apparatus for managing an information request,
2 comprising:

3 session means for establishing a session;
4 generating means for generating a session
5 identification in response to the session being
6 established;

7 first sending means for sending the session
8 identification and to the client; al

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9 receipt means for receiving a request for information
10 and a credential and the session identification from the
11 client;

12 first determining means for determining whether the
13 session identificatin is valid;

14 second determining means for determining whether the
15 credential is valid; and

16 second sending means for sending the information to
17 the client in response to the session identification and
18 the credential being valid.

1 39. The apparatus of claim 38, wherein the credential is a
2 user name and password, a security token, or a certificate.

1 40. The apparatus of claim 38, further comprising:
2 association means for associating a user account with
3 the session identification in response to the session
4 identification being generated.

1 41. The apparatus of claim 38, wherein the generating
2 means comprises means for generating a random number.

1 42. The apparatus of claim 38, wherein the generating
2 means comprises means for generating a session
3 identification data structure.

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1 43. The apparatus of claim 42, wherein the session
2 identification data structure is a session identification
3 cookie.

1 44. The apparatus of claim 42, wherein the session
2 identification data structure is in a rewritten uniform
3 resource locator.

1 45. The apparatus of claim 38, wherein the request is a
2 hypertext transport protocol request.

1 46. The apparatus of claim 45, wherein the hypertext
2 transport protocol request is a uniform resource locator.

1 47. An apparatus for making an information request,
2 comprising:
3 a processor; and
4 a memory electrically connected to the processor, the
5 memory having stored therein a program to be executed on
6 the processor for performing:
7 sending a request for information and a session
8 identification and a credential to a server; and
9 receiving the information from the server.

1 48. The apparatus of claim 47, wherein credential is a
2 user name and password, a security token, or a certificate.

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1 49. The apparatus of claim 47, wherein the request is a
2 hypertext transport protocol request.

1 50. The apparatus of claim 49, wherein the hypertext
2 transport protocol request is a uniform resource locator.

1 51. An apparatus for managing an information request,
2 comprising:
3 a processor; and
4 a memory electrically connected to the processor, the
5 memory having stored therein a program to be executed on
6 the processor for performing:
7 receiving a request for information and a session
8 identification and a first credential from a client;
9 determining whether the session identification is
10 valid;
11 retrieving a session data structure including a second
12 credential in response to the session identification being
13 valid;
14 determining whether the first credential and the
15 second credential match; and
16 fulfilling the request for information in response to
17 the first credential and the second credential matching.

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1 52. The apparatus of claim 51, wherein the first
2 credential is a user name and password, a security token,
3 or a certificate.

1 53. The apparatus of claim 51, wherein the step of
2 generating a session identification comprises generating a
3 random number.

1 54. The apparatus of claim 51, wherein the step of
2 generating a session identification comprises generating a
3 session identification data structure.

1 55. The apparatus of claim 54, wherein the session
2 identification data structure is a session identification
3 cookie.

1 56. The apparatus of claim 54, wherein the session
2 identification data structure is in a rewritten uniform
3 resource locator.

1 57. The apparatus of claim 51, wherein the request is a
2 hypertext transport protocol request.

1 58. The apparatus of claim 57, wherein the hypertext
2 transport protocol request is a uniform resource locator.

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1 59. A computer program product, in a computer readable
2 medium, for making an information request, comprising:
3 instructions for sending a first request for
4 information and a credential to a server to establish a
5 session;
6 instructions for receiving a session identification
7 and the information from the server; and
8 instructions for sending a second request for
9 information and the credential and the session
10 identification to the server.

1 60. A computer program product, in a computer readable
2 medium, for managing an information request, comprising:
3 instructions for establishing a session;
4 instructions for generating a session identification
5 in response to the session being established;
6 instructions for sending the session identification to
7 the client;
8 instructions for receiving a request for information
9 and a credential and the session identification from a
10 client;
11 instructions for determining whether the session
12 identification is valid;
13 instructions for determining whether the credential is
14 valid;

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15 instructions for sending the information to the client
16 in response to the session identification and the
17 credential being valid.

1 61. A computer program product, in a computer readable
2 medium, for making an information request, comprising:
3 instructions for sending a request for information and
4 a session identification and a credential to a server; and
5 instructions for receiving the information from the
6 server.

1 62. A computer program product, in a computer readable
2 medium, for managing an information request, comprising:
3 instructions for receiving a request for information
4 and a session identification and a first credential from a
5 client;
6 instructions for determining whether the session
7 identification is valid;
8 instructions for retrieving a session data structure
9 including a second credential in response to the session
10 identification being valid;
11 instructions for determining whether the first
12 credential and the second credential match; and
13 instructions for fulfilling the request for
14 information in response to the first credential and the
15 second credential matching.

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